AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0041] with the following paragraph:

[0041] When lookup engine ~~packet 301~~310 assigns packet 301 an LLID, lookup engine ~~301~~310 also determines in which first-in-first-serve (FIFO) queue packet 301 will be stored according to packet 301's QoS level. As shown in FIG. 3, a number of FIFO queues store downstream packets before they are transmitted. Scheduler 330 regularly pulls packets from each FIFO queue and transmits the packets downstream to the ONUs. By adjusting the frequency of its serving of each FIFO queue, scheduler 330 can implement different QoS levels according to service level agreements (SLAs). When packet 301 is broadcast to all the ONUs, only ONUs with an LLID that matches the LLID carried by packet 301 is allowed to receive packet 301. Thus, by labeling a packet with a proper LLID and storing the packet in a proper FIFO queue, lookup engine 310 performs a switching function while satisfying the packet's QoS requirement.